AUTHOR INDEX TO VOLUME 3

A

Achimastos, J. A., 291 Affronti, L. F., 423 Allen, H. J., 577 Assimeh, S. N., 19 Armstrong, R. M., 275

В

Barth, R. F., 361
Baumal, R., 513
Ben David, A., 205
Bona, C., 477, 543
Boone, C. W., 189
Border, J. R., 321, 329
Bourne, F. J., 157
Boyd, R. L., 337
Braf, Z., 205
Brebner, E., 109
Bronson, P. M., 321, 329

C

Callender, C. O., 309
Carlson, D. G., 175
Cauchi, M. N., 337
Chang, H., 401
Chedid, L., 477, 543
Cinader, B., 275, 543
Ciobaru, R., 543
Cohen, E. P., 413
Cohn, J., 143
Comsa, J., 11
Cyr, R., 219

D

Damais, C., 543
Davis, S., 189
Dietz, T. M., 439
Dilwith, R., 285
Domingue, G. J., 51
Dubiski, S., 543

E

Elliott, W. B., 391 Esposito, L., 285

F

Floc'h, F., 593 Fox, R. A., 375 Freedman, M. H., 469 Fujiwara, S., 275

G

Gambrill, M. R., 97
Geier, M., 219
Geier, S., 219
Gillman, C. F., 77, 321, 329
Golovanova, T. A., 533
Grossberg, A. L., 249
Gutterman, J. U., 1
Gyenes, L., 85, 565

Η

Ha, T.-Y., 351
Heilman, D. H., 97
Heremans, J. F., 239
Hersh, E. M., 1
Hetrick, D. L., 489
Holbrook, J. P., 391
Howard, R. J., 309

J

Jolles, P., 593 Jubert, A. V., 1 Juy, D., 477

K

Kalff, M., 205 Katz, A., 469 Kaulen, D. R., 533 Khorobrikh, V. V., 533 Kleiner, G., 189 Korontzis, M., 593 Kulberg, A. Ya., 533

L

Lebacq-Verheyden, A. M., 239 Legler, M. K., 413

M

Ma, W., 285
Mac Sween, J. M., 375
Maral, R., 593
Marcus, S., 227, 439
Marcus, Z. H., 205
Mavligit, G., 1
Maxwell, K. W., 439
McBride, C. M., 1
Mc Laughlin, J. C., 51
Migliore-Samour, D., 593
Miller, K. D., 489
Montgomery, P. C., 143
Murgita, R. A., 497

N

Naidu, T. G., 457 Najarian, J. S., 309 Nebel, L., 205 Nelson, R. A., Jr., 109 Neu, H., 11 Neumann, A. W., 77 Newbould, F. H. S., 457 Nowotny, A., 401 Nutt, N. B., 249 Nyburg, S. C., 469

0

Ogra, S. S., 497 O'Neill, P. A., 427 Orme, T., 291

P

Painter, R. H., 19 Pence, P. J., 175 Penniall, R., 391 Pistole, T. G., 227 Pollara, B., 285 Poulik, M. D., 19 Pressman, D., 249, 265 Pruzanski, W., 469

R

Radin, R., 189
Radzimski, G., 265
Reichlin, M., 133
Roberts, D. B., 35
Roholt, O. A., 265
Rolland, J. M., 337
Romsdahl, M. M., 427
Rosner, B. R., 143
Rudofsky, U., 285

S

Sagi, S., 85 St. Rose, J. E. M., 291 Scheetz, M. E., II, 175 Schrohenloher, R. E., 553 Schwarz, J. A., 11 Shek, P. N., 543 Singla, O., 361 Steblay, R. W., 285 Sutherland, D. E. R., 309 Svirezheva, M. N., 533

T

Tarkhanova, I. A., 533
Taylor, R. N., 439
Thompson, J. J., 401
Thompson, M., 219
Toledo-Pereyra, L. H., 309
Tomasi, T. B., Jr., 497
Treffers, H. P., 351
Tsuchiya, D., 219
Turianskyj, F. H., 85, 565

V

Vaerman, J. P., 239 van den Tweel, J. C., 205 van Hooff, J. P., 205 van Leewen, A., 205 van Oss, C. J., 77, 321, 329 van Rood, J. J., 205

W

Wade, M. J., 189
Waksman, B. H., 351
Wang, K.-M., 133
Ward, E., 219
Weesner, K. M., 423
Werner, G. H., 593
Westall, F. C., 219
Wright, G. L., Jr., 35

Y

Yasmeen, D., 19 Young, J. D., 219 Yurochko, F., 219

Z

Zimmerman, B., 513

SUBJECT INDEX TO VOLUME 3

A

Age as a function in organ distribution of thymus derived cells, 275-284

Allogenic tumor grafts, difference in rejection rates between mice strains, 565-575

Allografts, renal

leucocyte migration in recipients of, 205-217

pepsin-digested alloantibody effects on survival in recipients of, 309-319

Alpha-1 acid glycoproteins, phagocytosis-inhibiting properties of, 321-328

Alpha-2 HS glycoprotein, opsonic properties of, 329-335

Amniotic fluid, immunosuppres-

sive activity of, 497-508 Amyloid-like substance, production from γ3 heavy chain disease protein, 469-476

Antibody binding by surface antigens of leukemia cells after chemical fixation, 189-196

Antibody and cell-mediated lysis of technetium-99m labeled erythrocytes, 361-373

Antibody production, effects of thymic and hypophyseal growth hormones on, 11-18

Antibody response

of spleen cells to a mitogen from Nocardia opaca, 543-551

to sheep red blood cells, in vitro assay of, 175-188 Anti-DNP antibodies, secretory, induction of by dinitrophenylated type III pneumococcus, 143-156

Antigens

carbohydrate-containing, identification of in ALS treated sera, 513-532

common and specific, differentiation of by micro two-dimensional immunoelectrophoresis, 35-49

enterobacterial, immunologic effects in renal infection, 51-75

soluble, transplantation, effects of on tumor allografts, 85-94

surface, chemical fixation effects on antibody binding by, 189-196

Antigen-antibody complexes, minimum size and composition of for phagocytosis, 77-84

Anti-hapten antibody, heterogeneity of as affected by various parameters, 249-263

Antilymphocyte sera, antigenic reactivity of, 513-532

Antisera to carcinoembryonic antigen, removal of impurities from, 489-495

C

Carcinoembryonic antigen antisera, purification of, 489-495

Cell-mediated target cell lysis of technetium-99m labeled erythrocytes, 361-373

Chemotaxis, quantitation of in polymorphonuclear neutrophils in vitro, 457-468 Cold acclimatization, effect of on vulnerability to antigenantibody complexes, 291-302

Colony stimulating factor, release of by nonendotoxic breakdown products of bacterial lipopolysaccharides, 401-409

Complement fixing associated with β_2 microglobulin, 19-34

Complement system, human, isoelectric focusing of components of, 109-132

Contaminant in cytochrome oxidase antibody, 391-399

Cortisol-resistant human lymphocytes, macrophage effects on PHA transformation of, 97-107

Cytochrome <u>c</u>, horse, enhancement of immunogenicity of by dinitrophenylation, 133-142

Cytochrome oxidase antibody, immunologic impurity in, 391-399

D

Dinitrophenyl binding site of myeloma IgA, isolation of a tyrosyl peptide from, 265-274

Dinitrophenylation, effect of on immunogenicity of horse cytochrome c, 133-142

Disulfide bridges, absence of between heavy and light chains in IgA, 239-247

DNA, reiterative, formation of hybrids with RNA by, 413-422 Drug tolerance, morphine, immune

response in, 423-426

E

Encephalitogenic dose response of the tryptophan region of myelin basic protein, 219-226 Endotoxin, effect of on antibody production, 175-188

Enterobacterial common antigen, immunologic role of in renal infection, 51-75

Н

H-2 specificities, role of in allograft rejection, 565-575

γ3 Heavy chain disease protein, production of amyloid-like substance from, 469-476

Hybridization of RNA with reiterative DNA, 413-422

Hydrocortisone, influence of on antibody-dependent lymphoid cell-mediated cytotoxicity, 477-487

Hydrosoluble immunopotentiating substances from <u>Corynebacterium parvum</u>, 593-603

I

Immunoelectrophoresis, micro two-dimensional, differentiation of mycobacteria and antigens by, 35-49

Immunogenicity of soluble histocompatibility antigens in mice, 85-94

Immunoglobulin

aggregated, inhibition of rosette forming cells by, 533-542

on human appendix lymphocyte surfaces, 1-9

Immunoglobulin A

absence of disulfide bridges between heavy and light chains in, 239-247

as a blocking factor in human malignant melanoma, 427-438 porcine, structural features of, 157-173

Immunoglobulin G1 and IgG2, separation of, 285-290 Immunoglobulin M, reconstitution of after binding to IgG, 553-564

Immunopotentiating hydrosoluble substances from Corynebacterium parvum, 593-603

Immunosuppressive activity of mouse amniotic fluid, 497-508

Influenza virus infection, effect of on phagocytic and cytopeptic capacities of macrophages, 439-455

Isoelectric points of components of the human complement system, 109-132

L

Leucocyte migration tests in human renal allografts, 205-217

Lipopolysaccharides, bacterial, release of CSF by nonendotoxic breakdown factors of, 401-409

Lymphocyte-dependent antibody cytotoxicity, influence of hydrocortisone on, 477-487

Lymphocyte plasma membranes, 513-532

Lymphocytes

cortisol-resistant, macrophage effects on PHA transformation of, 97-107

human appendix, immunoglobulins on, 1-9

normal, response of to PHA, frequency distribution analysis of, 577-591

70

Macrophage effects on transformation of cortisol-resistant lymphocytes by PHA, 97-107 Macrophage migration inhibition, 375-389 Macrophage opsonizing activities associated with β_2 microglobulin, 19-34

Macrophages, effect of influenza virus on phagocytosis and cytopepsis of, 439-455

Melanoma, human, IgA as a blocking factor in, 427-438

Membrane antigenic changes associated with PHA transformation of spleen cells, 337-349

Metabolic requirements of suppressor activity, 351-359

β₂ microglobulin, effector functions of, 19-34

Migration inhibition factor, isolation of, 375-389

Mitogen from Nocardia opaca, specificity of for rabbit bursa equivalent cells, 543-551

Morphine, determination of immune response to, 423-426

Mycobacterial species and strains, differentiation of by micro two-dimensional immunoelectrophoresis, 35-49

0

Opsonic properties of human serum α -2 HS glycoprotein, 329-335 Organ distribution of thymus derived cells, 275-284

P

Parameter effects on heterogeneity of mouse anti-hapten antibody, 249-263

Pepsin-digested donor specific alloantibody, failure of to prolong renal allograft survival, 309-319

Peptides from dinitrophenyl binding site of myeloma IgA of mouse MOPC 315, 265-274 Phagocytosis as a surface phenomenon, 77-84 Phagocytosis-inhibiting properties of human serum a-1 acid glycoprotein, 321-328 Phytohemagglutinin effect of on antibody production, 175-188 variability of response of normal lymphocytes to, 577-591 Phytohemagglutinin transformation, membrane antigenic changes associated with, 337-349 Polymorphonuclear neutrophils. quantitation of chemotaxis of 457-468

R

Reconstituted monoclonal IgM that binds IgG, 553-564
RNA, hybridization of from mouse spleen and low density reiterative DNA, 413-422
Rosette formation by spleen cells, inhibition of antibodies to aggregated IgA, 533-542

S

Secretory antibody response to pneumococcus, 143-156
Secretory IgA in pig colostrum and milk, 157-173
Separation of guinea pig IgG1 and IgG2, 285-290

Serum, human isoelectric focusing of complement system components in, 109-132

opsonic properties of $\alpha_2 \text{HS}$ from, 329-335

329-335 phagocytosis inhibiting properties of $\alpha_1 A$ from, 321-328 Suppressor activity, mechanism of thymocyte activity in, 351-359

T

Technetium-99m, erythrocyte labeling by, 361-373 Temperature, low environmental, influence of on systemic anaphylaxis in mice, 291-302 Thymic and hypophyseal growth hormones, interactions of on production of precipitating antibodies, 11-18 Thymic suppressor cells, 351-359 Thymocytes, effects of on antibody production, 175-188 Thymus derived RTLA bearing cells. organ distribution of, 275-284 Tryptophan region of myelin basic protein, encephalitogenic dose response of, 219-226 Typhoid, purified Vi antigens as possible vaccine for, 227-238

V

Vi antigens, as possible typhoid vaccines, 227-238

ERRATUM

In the article "Peptides from the Dinitrophenyl Binding Site of Myeloma IgA of Mouse MOPC 315", O.A. Roholt, G. Radzimski and D. Pressman, Vol. 3, No. 3 (1974) on p. 272, line 15, read azo for nitro.

FOURTH SUMMER SCHOOL

IN

METHODS OF IMMUNOLOGIC RESEARCH AND DIAGNOSIS

The fourth biennial course on current methods of immunologic research and diagnosis will be offered by The Center for Immunology of the State University of New York at Buffalo in July 1975. The deadline for applications is March 31, 1975.

Further information may be obtained from James F. Mohn, M.D., Director, The Center for Immunology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

INSTRUCTIONS FOR PREPARATION OF MANUSCRIPTS FOR DIRECT REPRODUCTION

IMMUNOLOGICAL COMMUNICATIONS is a bimonthly journal in the English language for the rapid communication of immunological information.

Directions for Submission to IMMUNOLOGICAL COM-MUNICATIONS

One manuscript suitable for direct reproduction (see Instructions for Preparation), carefully inserted in a folder, and two copies of the manuscript must be submitted.

Reprints

Owing to the short production time for articles in this journal it is essential to indicate the number of reprints required upon notification of acceptance of the manuscript. Reprints are available in quantities of 100 and multiples thereof, in addition to the twenty (20) free copies provided to the author(s); a reprint price list will be sent to the author(s) with the notification of acceptance of the manuscript.

Manuscripts should be mailed to:

Editorial Office, The Center for Immunology 203 Sherman Hall, School of Medicine State University of New York at Buffalo Buffalo, New York 14214

INSTRUCTIONS FOR THE PREPARATION OF MANUSCRIPTS

Since all the contributions are reproduced by direct on tography of the manuscripts, the following instructions must be strictly adhered to. Non-compliance will result in the return of the manuscript to the author(s) and delay in its publication.

Typing Instructions

- Manuscript must be typewritten, double spaced, on good quality white bond paper measuring at least 8½ x 11 inches.
- It is essential to use a <u>black</u> typewriter ribbon in good condition so that a clean and clear impression of the letters is obtained. Erasure marks, smudges, creases, etc., should be avoided. (Errors <u>may</u> be corrected by using white opaque correcting fluids or tapes).
- . All formulas and equations should be typed in or carefully prepared in <u>permanent</u> black ink, using drawing instruments.
- The typing area of page 1, including the title, should be 5½ by 7 inches and that of all other pages 5½ by 8½ inches. Make maximum use of the typing area.
- Tables should be typed as part of the text but in such a way as to separate them from the text by a three-line space at both top and bottom of each table. The title "TABLE" (capitalized and followed by a Roman number) should precede the table and be centered on the page. Care should be taken that a table does not overlap onto the next page.

Drawings, graphs and other numbered figures should be drawn in black India ink (do not use blue ink) on a separate piece of white paper. Photographs should be glossy prints. Lettering set should be used for all labels on the figures or photographs; a typewriter may be used for labels. Captions for the figures should be

typed (single spaced) on a separate sheet, along the full width of the type page. The indication "FIGURE" should be capitalized and, with the figure's number (in Arabic numerals), centered above the caption. The numbers of the figures or photographs as well as the name(s) of the author(s) should be written in blue pencil on the back; the top of the picture should also be indicated on the back. The author(s) should indicate (with a blue pencil) the places in the text where the picture(s) should be inserted.

7. References (including footnotes) in the text will be numbered consecutively by numbers in parentheses. The full references (and footnotes) will be collected at the end of the text. The last names of all authors to any one paper, followed by their initials, shall be quoted. The title of the journal (Chemical Abstracts abbreviations), the volume number (underlined), the first page and the year should follow, in that order. Books should be cited similarly and include the publisher's name and location along with the year and edition of the book. Articles or chapters in books should be cited similarly and include the name of the editor(s) of the book and the page on which the article begins, as well as the volume number.

(journal): Thrasher, S. G., Doroszczak, N. and Cohen, S., J. Immun., 107:1394, 1971.

(book): Pressman, D. and Grossberg, A. L., The
Structural Basis of Antibody Specificity.
W. A. Benjamin, Inc., New York, 1968.

(article in a book): Milgrom, F., in International Convocation on Immunology, edited by N. R.
Rose and F. Milgrom, p. 270, S. Karger, New York, 1969.

Format of Manuscripts

The entire title should be in capital letters and centered on the width of the typing area, at least two inches from the top of the page. This is followed by a one-line space and then by the name(s) and address(es) of the author(s), in the following way:

AUTOIMMUNE RESPONSES TO THYROGLOBULIN IN THE RAT

T. J. Atkins and H. Z. Ginsberg
Departments of Microbiology and Pathology,
School of Medicine, State University of New York
at Buffalo, Buffalo, New York 14214

- The title and the name and address of the author(s) are followed, after a three-line space, by an abstract, comprising less than 10% of the length of the text of the article. The abstract must be typed <u>single-spaced</u> and headed "Abstract".
- 3. After a three-line space, the article itself commences, whenever possible subdivided into sections such as "Materials and Methods," "Results," "Discussion," "Acknowledgments" and "References." The headings should be centered, underlined, and separated by one extra line space from the typed material that precedes and follows it.
- Each page of manuscript should be numbered lightly at the bottom of the sheet, with a blue pencil.

IMMUNOLOGICAL COMMUNICATIONS

Volume 3	Number 6	1974
CONTENTS OF THIS ISS	UE	
Carbohydrate Containi	R. BAUMAL: Lymphocyte Plasma Membranes. III ng Antigens of Human Lymphocytes Bound by Anti-	-7/
VANOVA, M. N. SVI Rosette Formation by	KHOROBRIKH, I. A. TARKHANOVA, T. A. GOLO- IREZHEVA, AND D. R. KAULEN: Inhibition of Spleen Cells of Immunized Mice by Antibodies to nunoglobulins	
AND B. CINADER: N	DAMAIS, R. CIORBARU, P. N. SHEK, S. DUBISKI, NWSM, A Mitogen from <i>Nocardia opaca</i> , Specific for the Cells	
	R: Characterization of Subunits from a Reconstituted Binds IgG	
	D L. GYENES: Differences in the Rejection of an in Two Strains of Inbred Mice and Their F ₁ Hybrids	
	cy Distribution Analysis of the Normal Lymphocyte	
FLOC'H, AND G. H.	k, M. KORONTZIS, P. JOLLES, R. MARAL, F. WERNER: Hydrosoluble Immunopotentiating Sub-	
Book Reviews		605
Author Index to Volume 3	3	611
Subject Index to Volume	3	615

Contributions to This Journal Are Published Free of Charge